

CFL Downlight Retrofit

PowerRim™

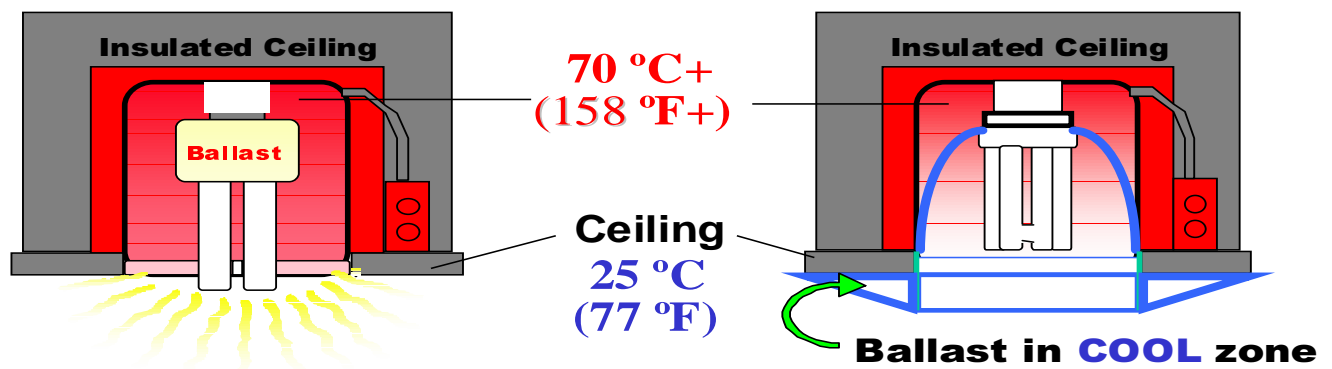
By PowerLux Corporation

The High Performance Instant Electronic Compact Fluorescent Lamp (CFL) Retrofit Kit
for Recessed Downlights

"Now available in a Dimmable version"



CFLs are 4 times more efficient than incandescent lamps, and typically last 10 to 13 times longer. But, CFLs need a ballast to function and the ballast is sensitive to heat generated by the lamp which is trapped inside the recessed downlights. A typical 23 watt CFL can raise temperatures to 70°C in the downlight. The maximum operating temperature recommended for electronic ballasts is 40°C. Temperatures above 40°C will destroy the ballast and cause early failures. The exclusive PowerRim™ system features a "Cool Zone" where the ballast is located, keeping the temperature of the ballast in the recommended range and virtually eliminating early failures.



PowerRim Features

- Engineered for 4 Pin 18, 26, 32 and 42 watt replacable CFLs
- Low Profile fits all 6 inch downlights
- Replaces incandescent lamps up to 200W
- Uses medium screw base adapter
- No wiring required
- Direct retrofit into existing incandescent downlights
- Reduces costly labor and fixture removing expenses

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DIMMABLE VERSION

The PowerRim dimmable version is designed to operate off any standard incandescent wall mount dimmer or dimming system. The simple installation procedure saves time and effort for retrofit applications.

PowerRim Dimmable CFL Adapter System

Nominal Lamp Watts	Input Watts	Line Amps	Lamp Base	Approx. Initial Lamp Lumens	Approx. Rated Avg. Life (hrs)*	Lamp Color Temp (°K)	CRI	Power Factor	Approx. Incand. Equiv.	PowerLux Product Number	NSN
18	18	0.23	GX24q-2	1200	10,000	2700	82		75W	DM120N1827	
						3000				DM120N1830	
						3500				DM120N1835	
						4100				DM120N1841	
26	27	0.23	GX24q-3	1800		2700			100W	DM120N2627	
						3000				DM120N2630	
						3500				DM120N2635	
						4100				DM120N2641	
32	32	0.28	GX24q-3	2400		2700			150W	DM120N3227	
						3000				DM120N3230	
						3500				DM120N3235	
						4100				DM120N3241	
42	43	0.37	GX24q-4	3200		2700			200W	DM120N4227	
					3000	DM120N4230					
					3500	DM120N4235					
					4100	DM120N4241					

Line Voltage = 120V, Lamp current Crest Factor = <1.5, Sound Rating = A

* Average life under specified test conditions with lamps turned off and restarted no more than once every 3 operating hours.

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PowerRim High Performance CFL Adapter System

Nominal Lamp Watts	Input Watts	Line Amps	Lamp Base	Approx. Initial Lamp Lumens	Approx. Rated Avg. Life (hrs)*	Lamp Color Temp (°K)	CRI	Power Factor **	Approx. Incand. Equiv.	PowerLux Product Number	NSN
18	18	0.23	GX24q-2	1200	10,000	2700	82	.65	75W	120-01827	6210-01-459-8081
						3000				120-01830	6210-01-459-8085
						3500				120-01835	6210-01-459-8087
						4100				120-01841	6210-01-459-8089
26	27	0.23	GX24q-3	1800		2700		.99	100W	120-12627	6210-01-459-8117
						3000				120-12630	6210-01-459-8120
						3500				120-12635	6210-01-459-8168
						4100				120-12641	6210-01-459-8169
32	32	0.28	GX24q-3	2400		2700		.99	150W	120-13227	6210-01-459-8418
						3000				120-13230	6210-01-459-8363
						3500				120-13235	6210-01-459-8370
						4100				120-13241	6210-01-459-8390
42	43	0.37	GX24q-4	3200		2700		.99	200W	120-14227	6210-01-459-8171
					3000	120-14230	6210-01-459-8398				
					3500	120-14235	6210-01-459-8421				
					4100	120-14241	6210-01-459-8401				

Line Voltage = 120V, Lamp current Crest Factor ≤ 1.5 , Sound Rating = A

* Average life under specified test conditions with lamps turned off and restarted no more than once every 3 operating hours.

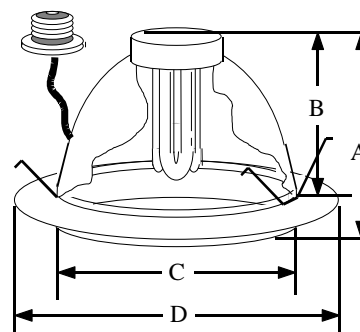
** For high power factor version, the total harmonic distortion (THD) is less than 10%

*** "W" indicates a white reflector, recommended for low ceiling applications.



PowerRim™
Installation is
a snap!

PowerRim Accessories		
Description	PowerLux Product Number	NSN
Frosted Lens	030-80050	
Pink Lens	030-20050	



	Inch	(mm)
A	7.1	(180)
B*	5.65	(143)
C	5.75	(146)
D	9.2	(233)